

ep-2711  
5

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of  
Yoshiharu HASHIMOTO

Appln. No. 09/505,192

Confirmation No.: Unknown

Filed: February 16, 2000

For: DRIVING CIRCUIT OF DISPLAY DEVICE



Group Art Unit: 2711

Examiner: Unknown

2611

**RECEIVED**  
NOV 26 2001  
Technology Center 2600

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Unexamined Patent Application Publication No. 5-249924, published September 28, 1993.
2. Japanese Unexamined Patent Application Publication No. 5-158446, published June 25, 1993.
3. Japanese Unexamined Patent Application Publication No. 6-95623, published April 8, 1994.
4. Japanese Unexamined Patent Application Publication No. 7-104716, published April 21, 1995.
5. Japanese Unexamined Patent Application Publication No. 7-210119, published August 11, 1995.

Yoshiharu HASHIMOTO  
09/505,192  
INFORMATION DISCLOSURE STATEMENT

6. Japanese Unexamined Patent Application Publication No. 9-251282, published September 22, 1997.
7. Japanese Unexamined Patent Application Publication No. 10-177371, published June 30, 1998.

One copy of each of the listed documents is submitted herewith.

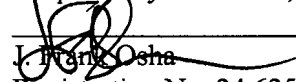
The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a corresponding Japanese Office Action dated August 17, 2001, and an English translation of the pertinent portions thereof, which cites such documents indicates the degree of relevance found by the foreign office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

SUGHRUE MION, PLLC  
2100 Pennsylvania Avenue, N.W.  
Washington, D.C. 20037-3213  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860  
Date: **NOV 21 2001**

Respectfully submitted,

  
J. Frank Osha  
Registration No. 24,625

Ref: Q57919

Claims: 1, 3, 10

Cited Literature: 1, 2

Comments

Cited Literature 1 describes a level shifter corresponding to the most significant bit. Because performing a process corresponding to the least significant bit in the next stage is a well-known technology (such as shown in Cited Literature 2), the application of the applicable level shift to the least-significant bit in the invention described in Cited Literature 1 could be obtained with ease by an individual in the industry.

Claims: 4

Cited Literature: 1, 2

Comments

To an individual in the industry, the use of a transistor switch as a resistance is a well-known technology.

Claims: 8, 9

Cited Literature: 1, 2

Comments

To an individual in the industry, the structure that is added in Claims 8 and 9 is nothing more than a well-known technology.

#### List of Cited Literature

1. Japanese Unexamined Patent Application Publication H5-249924
2. Japanese Unexamined Patent Application Publication H5-158446

---

#### Record of Prior Art Literature Search Results

Fields Searched      IPC 7th Edition G09G 3/36

Prior Art Literature      Japanese Unexamined Patent Application Publication H6-95623  
Japanese Unexamined Patent Application Publication H7-104716  
Japanese Unexamined Patent Application Publication H7-210119  
Japanese Unexamined Patent Application Publication H9-251282  
Japanese Unexamined Patent Application Publication H10-177371

This Record of Prior Art Literature Search Results does not constitute a reason for rejection.